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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/599,595	10/03/2006	Patrik Lownertz	128.1282USN	1424
33369	7590	09/17/2009	EXAMINER	
FASTH LAW OFFICES (ROLF FASTH) 26 PINECREST PLAZA, SUITE 2 SOUTHERN PINES, NC 28387-4301			POPOVICS, ROBERT J	
ART UNIT	PAPER NUMBER			
	1797			
NOTIFICATION DATE	DELIVERY MODE			
09/17/2009	ELECTRONIC			

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No. 10/599,595	Applicant(s) LOWNERTZ, PATRIK
	Examiner /Robert James Popovics/	Art Unit 1797

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED. (35 U.S.C. § 133).

Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on _____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-17 is/are pending in the application.
 - 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-17 is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08) _____
 Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

Claims **12-17** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims **12-17** specify an “arrangement.” It is unclear which statutory class of invention Applicant intends to claim.

Claim Rejections - 35 USC § 102/103

Claims **1-17** rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over **Ingelman (US 2004/0069721)**.

Official Notice is taken of the fact that pressurized disc filters are often used during the production of white liquor to separate lime mud from the white liquor.

Ingelman is seen to meet the limitations of the claims. **Valves 26a and 26b** are seen to meet the limitation of air admission.

(19) United States

(12) Patent Application Publication
Ingleman et al.

(10) Pub. No.: US 2004/0069721 A1
(43) Pub. Date: Apr. 15, 2004

(54) PIPE SYSTEM FOR RECEIVING AND
TRANSPORTING LIME SLUDGE FROM A
WHITE LIQUOR FILTER

Publication Classification

(51) Int. Cl.⁷ B01D 29/62
(52) U.S. Cl. 210/767; 210/791

(76) Inventors: Magnus Ingelman, Karlstad (SE); Jan
Tjernberg, Forshaga (SE)

(57) ABSTRACT

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The pipe system is for receiving and transporting lime sludge from a filter medium in a continuously operating pressurized filter 1 in a causticizing process, where lime sludge is scraped off from the filter medium 2 and falls down into receiving chutes 4a for the lime sludge. Conventional storage tanks for scraped-off lime sludge and their mechanical agitators are thus replaced by a pipe system 11 where the pipe system does not have a mechanical agitator at all but has a flow cross section which maintains a flow rate in the lime sludge so that sedimentation of the lime sludge does not take place from the receiving chute 4a to the feed-out opening 30 of the pipe system.

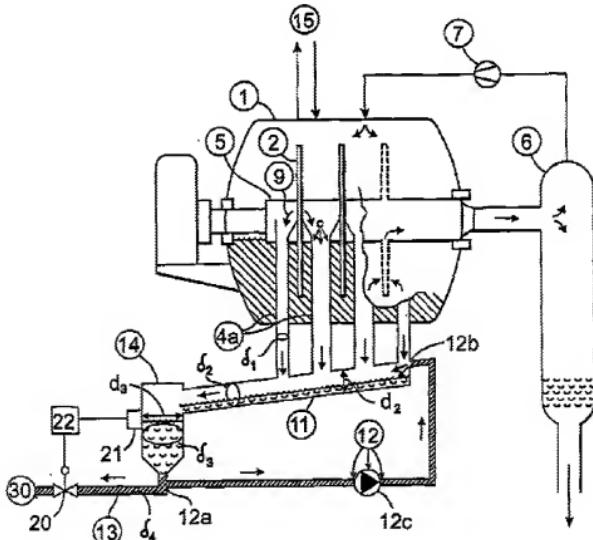
(21) Appl. No.: 10/250,885

(22) PCT Filed: Feb. 5, 2002

(86) PCT No.: PCT/SE02/00195

(30) Foreign Application Priority Data

Feb. 7, 2001 (SE) 0100411-8



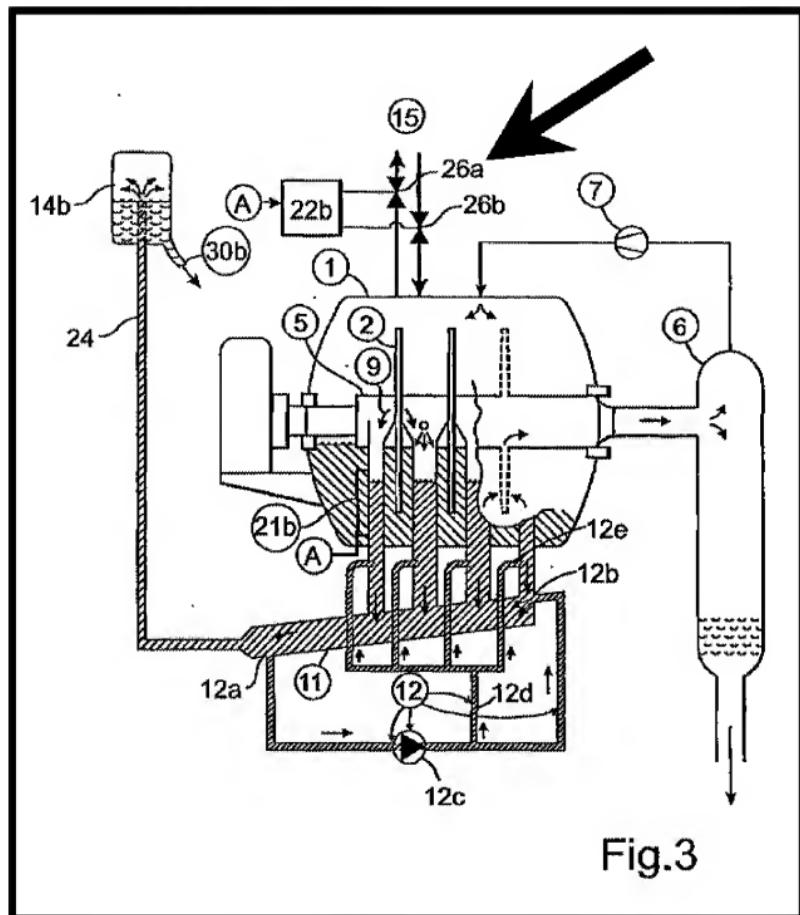


Fig. 3

Prior Art

The following teachings are noted:

United States Patent [19]

Strid et al.

[11] Patent Number: 5,151,176**[45] Date of Patent: Sep. 29, 1992****[54] FILTER FOR CONTINUOUS FILTRATION**

[76] Inventors: Kent Strid, Svedenvägen 11, S-810 28
 Järbo; Hans Å. Karlsson, Skänstigen
 8, S-776 00 Hedemora; Per Larsson,
 Gimlestången 15, S-776 00 Avesta, all
 of Sweden

[21] Appl. No.: 655,395

[22] PCT Filed: Jun. 13, 1990

[86] PCT No.: PCT/SE90/00413

§ 371 Date: Apr. 15, 1991

§ 102(e) Date: Apr. 15, 1991

[87] PCT Pub. No.: WO90/15655

PCT Pub. Date: Dec. 27, 1990

[30] Foreign Application Priority Data

Jun. 14, 1989 [SE] Sweden 8902147

[51] Int. Cl.': B01D 33/25

[52] U.S. Cl.: 210/178; 210/180;

210/181; 210/187; 210/210; 210/218; 210/259;

55/267

[58] Field of Search: 210/175, 176, 177, 178,
 210/179, 180, 181, 182, 187, 210, 218, 252, 253,
 258, 259, 260; 55/20, 25, 76, 78, 267, 270, 316

[56]**References Cited****U.S. PATENT DOCUMENTS**

4,120,787	10/1978	Yargeau	210/180
4,775,484	10/1988	Schmidt et al.	210/181
4,931,176	6/1990	Galmara	210/182

Primary Examiner—Robert A. Dawson

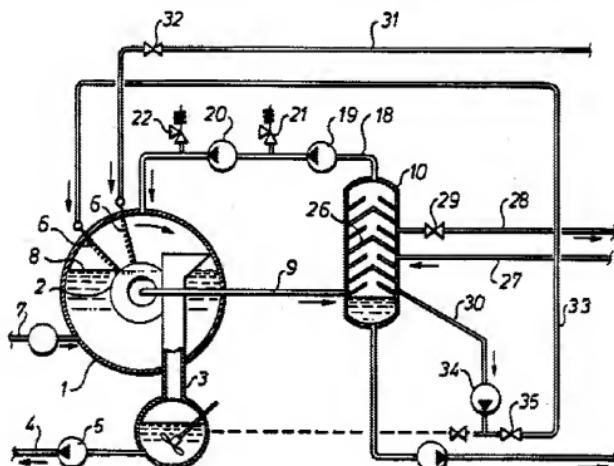
Assistant Examiner—W. L. Millard

Attorney, Agent, or Firm—Pollock Vande Sande &
 Priddy

[57]**ABSTRACT**

A filter for continuous filtration of a liquid includes conventionally a vessel having a center shaft on which is arranged at least one rotating filter element defining an inner space for liquid obtained at filtration. Further there is provided a washing device for washing of material deposited on the filter element, a connection between said inner space and outlet means from said vessel and a separator connected to said outlet and adapted for separating filtrate and gas. Means is provided outside said vessel for generating an overpressure in the gas space of the vessel and a lower pressure in the interior of the filter element at least corresponding to the evaporating temperature of the filtrated liquid for evaporation of the liquid in the separator. The separator is provided with a cooling device for cooling the separated gas and an outlet for condensate obtained at cooling.

8 Claims, 3 Drawing Sheets



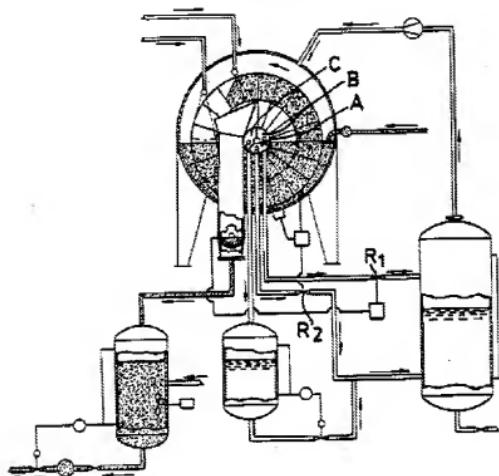
U.S. Patent

May 29, 1990

Sheet 4 of 4

4,929,355

FIG. 7

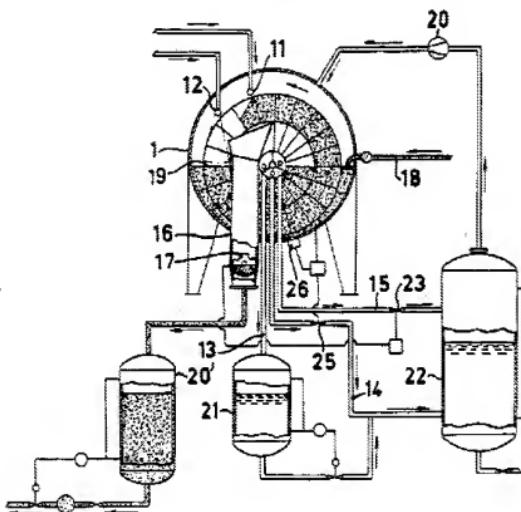


U.S. Patent Sep. 22, 1987

Sheet 3 of 4

4,695,381

FIG.3

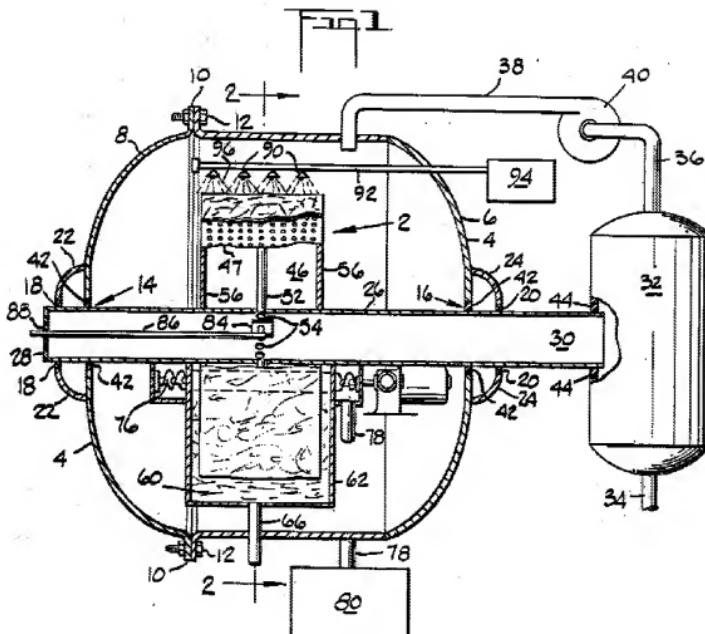


U.S. Patent

Sep. 18, 1979

Sheet 1 of 2

4,168,234



Any inquiry concerning this communication should be directed to /Robert James Popovics/ at telephone number (571) 272-1164.

/Robert James Popovics/
Primary Examiner
Art Unit 1797